

ABSTRACT

The heat-treatment apparatus for steel plate has a plurality of transfer rolls for transferring steel plate in the horizontal direction and at least one induction-heating unit for heating the steel plate. The induction-heating unit is positioned between specified adjacent transfer rolls. At least an induction-heating unit located at the most upstream side among the induction-heating units is provided with at least one pressing roll at outlet thereof to press the steel plate from above. At least the pressing roll located at the most upstream side among the pressing rolls is positioned above and facing the transfer roll located at outlet of the induction-heating unit. Owing to the heat-treatment apparatus for the steel plate, desired heat treatment can be given to the steel plate even with the induction-heating unit without adversely affecting the travel of the steel plate.